WHAT IS CLAIMED IS:

1.   1.   A method for storing test results in a database,
2.   comprising:
3.   receiving test results, the test results including a
4.   plurality of test result records, each test
5.   result record associated with a test identifier,
6.   a build version identifier, and a test result
7.   identifier;
8.   storing the test results in a temporary storage
9.   location;
10.   comparing each test result record with the contents of
11.   a test result database, the test result database
12.   having a plurality of compiled test result
13.   records, each compiled test result record
14.   associated with a test identifier, a start build
15.   version identifier, an end build version
16.   identifier, and a test result identifier;
17.   if a test result record and a compiled test result
18.   record have matching test identifiers and
19.   matching test result identifiers, then discarding
20.   the test result record; and
21.   if a test result record and a compiled test result
22.   record have matching test identifiers and
23.   different test result identifiers, then modifying
24.   the end build identifier of the compiled test
25.   result record and creating a new compiled test
26.   result record in the test result database, the
27.   new compiled test result record having the same
28.   test identifier and test result identifier as the
29.   test result record, and having a start build

30   version identifier corresponding to the build

31   version identifier of the test result record.

1   2.   The method of claim 1, wherein when a test result

2   record and a compiled test result record have matching

3   test identifiers and different test result

4   identifiers, then the end build identifier of the

5   compiled test result record is modified to have a

6   value of one less than the build version identifier of

7   the test result record.

1   3.   The method of claim 1, further comprising, if a

2   compiled test result record has no matching test

3   identifier as a test result record in the temporary

4   storage location, then modifying the end build

5   identifier of the compiled test result record to have

6   a value of one less than the build version identifier

7   of the test result record, and creating a new compiled

8   test result record in the test result database, the

9   new compiled test result record having the same test

10   identifier as the test result record, and having a

11   start build version identifier corresponding to the

12   build version identifier of the test result record,

13   and having a test result identifier indicating that a

14   test was not run.

1   4.   The method of claim 1, further comprising, if a test
2   result record in the temporary storage location has no
3   matching test identifier as a compiled test result
4   record, then creating a new compiled test result
5   record in the test result database, the new compiled
6   test result record having the same test identifier as
7   the test result record, and having a start build
8   version identifier corresponding to the build version
9   identifier of the test result record, and having the
10   same test result identifier as the test result record.

1   5.   A method for storing test results in a database,
2   comprising:
3   receiving test results, the test results including a
4   plurality of test result records, each test
5   result record indicating a test name, a test
6   result, and a build identifier;
7   storing the test results in a temporary storage
8   location;
9   comparing each test result record with the contents of
10   a test result database, the test result database
11   having a plurality of compiled test result
12   records, each compiled test result record
13   associated with a test name, a test result, and a
14   build range corresponding to the test name and
15   test result;
16   modifying the build range of each compiled test result
17   record to include the build identifier of a test
18   result record having the same test name and test
19   result as the compiled test result record.

1   6.   A data processing system having at least a processor
2   and accessible memory, comprising:
3   means for receiving test results, the test results
4   including a plurality of test result records,
5   each test result record associated with a test
6   identifier, a build version identifier, and a
7   test result identifier;
8   means for storing the test results in a temporary
9   storage location;
10   means for comparing each test result record with the
11   contents of a test result database, the test
12   result database having a plurality of compiled
13   test result records, each compiled test result
14   record associated with a test identifier, a start
15   build version identifier, an end build version
16   identifier, and a test result identifier;
17   means for, if a test result record and a compiled test
18   result record have matching test identifiers and
19   matching test result identifiers, discarding the
20   test result record; and
21   means for, if a test result record and a compiled test
22   result record have matching test identifiers and
23   different test result identifiers, modifying the
24   end build identifier of the compiled test result
25   record and creating a new compiled test result
26   record in the test result database, the new
27   compiled test result record having the same test
28   identifier and test result identifier as the test
29   result record, and having a start build version
30   identifier corresponding to the build version
31   identifier of the test result record.

1   7.   The data processing system of claim 6, wherein when a
2   test result record and a compiled test result record
3   have matching test identifiers and different test
4   result identifiers, then the end build identifier of
5   the compiled test result record is modified to have a
6   value of one less than the build version identifier of
7   the test result record.

1   8.   The data processing system of claim 6, further
2   comprising means for, if a compiled test result record
3   has no matching test identifier as a test result
4   record in the temporary storage location, modifying
5   the end build identifier of the compiled test result
6   record to have a value of one less than the build
7   version identifier of the test result record, and
8   means for creating a new compiled test result record
9   in the test result database, the new compiled test
10   result record having the same test identifier as the
11   test result record, and having a start build version
12   identifier corresponding to the build version
13   identifier of the test result record, and having a
14   test result identifier indicating that a test was not
15   run.

1   9.   The data processing system of claim 6, further
2   comprising means for, if a test result record in the
3   temporary storage location has no matching test
4   identifier as a compiled test result record, creating
5   a new compiled test result record in the test result
6   database, the new compiled test result record having
7   the same test identifier as the test result record,
8   and having a start build version identifier
9   corresponding to the build version identifier of the
10   test result record, and having the same test result
11   identifier as the test result record.

1   10. A data processing system having at least a processor
2   and accessible memory, comprising:
3   means for receiving test results, the test results
4   including a plurality of test result records,
5   each test result record indicating a test name, a
6   test result, and a build identifier;
7   means for storing the test results in a temporary
8   storage location;
9   means for comparing each test result record with the
10   contents of a test result database, the test
11   result database having a plurality of compiled
12   test result records, each compiled test result
13   record associated with a test name, a test
14   result, and a build range corresponding to the
15   test name and test result; and
16   means for modifying the build range of each compiled
17   test result record to include the build
18   identifier of a test result record having the
19   same test name and test result as the compiled
20   test result record.

1   11.   A computer program product tangibly embodied in a

2   machine-readable medium, comprising:

3   instructions for receiving test results, the test

4   results including a plurality of test result

5   records, each test result record associated with

6   a test identifier, a build version identifier,

7   and a test result identifier;

8   instructions for storing the test results in a

9   temporary storage location;

10   instructions for comparing each test result record

11   with the contents of a test result database, the

12   test result database having a plurality of

13   compiled test result records, each compiled test

14   result record associated with a test identifier,

15   a start build version identifier, an end build

16   version identifier, and a test result identifier;

17   instructions for, if a test result record and a

18   compiled test result record have matching test

19   identifiers and matching test result identifiers,

20   discarding the test result record; and

21   instructions for, if a test result record and a

22   compiled test result record have matching test

23   identifiers and different test result

24   identifiers, modifying the end build identifier

25   of the compiled test result record and

26   instructions for creating a new compiled test

27   result record in the test result database, the

28   new compiled test result record having the same

29   test identifier and test result identifier as the

30   test result record, and having a start build

31   version identifier corresponding to the build
32   version identifier of the test result record.

1   12.   The computer program product of claim 11, wherein when
2   a test result record and a compiled test result record
3   have matching test identifiers and different test
4   result identifiers, then the end build identifier of
5   the compiled test result record is modified to have a
6   value of one less than the build version identifier of
7   the test result record.

1   13.   The computer program product of claim 11, further
2   comprising instructions for, if a compiled test result
3   record has no matching test identifier as a test
4   result record in the temporary storage location,
5   modifying the end build identifier of the compiled
6   test result record to have a value of one less than
7   the build version identifier of the test result
8   record, and instructions for creating a new compiled
9   test result record in the test result database, the
10   new compiled test result record having the same test
11   identifier as the test result record, and having a
12   start build version identifier corresponding to the
13   build version identifier of the test result record,
14   and having a test result identifier indicating that a
15   test was not run.

1　　14.　The computer program product of claim 11, further
2　　　　　comprising instructions for, if a test result record
3　　　　　in the temporary storage location has no matching test
4　　　　　identifier as a compiled test result record, creating
5　　　　　a new compiled test result record in the test result
6　　　　　database, the new compiled test result record having
7　　　　　the same test identifier as the test result record,
8　　　　　and having a start build version identifier
9　　　　　corresponding to the build version identifier of the
10　　　　test result record, and having the same test result
11　　　　identifier as the test result record.

1   15. A computer program product tangibly embodied in a
2   machine-readable medium, comprising:
3   instructions for receiving test results, the test
4   results including a plurality of test result
5   records, each test result record indicating a
6   test name, a test result, and a build identifier;
7   instructions for storing the test results in a
8   temporary storage location;
9   instructions for comparing each test result record
10   with the contents of a test result database, the
11   test result database having a plurality of
12   compiled test result records, each compiled test
13   result record associated with a test name, a test
14   result, and a build range corresponding to the
15   test name and test result; and
16   instructions for modifying the build range of each
17   compiled test result record to include the build
18   identifier of a test result record having the
19   same test name and test result as the compiled
20   test result record.